User's Guide

W2253V
W2353V

Make sure to read the **Important Precautions** before using the product.
Keep the User's Guide(CD) in an accessible place for future reference.

See the label attached on the product and give the information to your dealer when you ask for service.

LG

This unit has been engineered and manufactured to ensure your personal safety, however improper use may result in potential electrical shock or fire hazards. In order to allow the proper operation of all safeguards incorporated in this display, observe the following basic rules for its installation, use, and servicing.

On Safety

Use only the power cord supplied with the unit. In case you use another power cord, make sure that it is certified by the applicable national standards if not being provided by the supplier. If the power cable is faulty in any way, please contact the manufacturer or the nearest authorized repair service provider for a replacement.

The power supply cord is used as the main disconnection device. Ensure that the socket-outlet is easily accessible after installation.

Operate the display only from a power source indicated in the specifications of this manual or listed on the display. If you are not sure what type of power supply you have in your home, consult with your dealer.

Overloaded AC outlets and extension cords are dangerous. So are frayed power cords and broken plugs. They may result in a shock or fire hazard. Call your service technician for replacement.

Do not Open the Display:
- There are no user serviceable components inside.
- There are Dangerous High Voltages inside, even when the power is OFF.
- Contact your dealer if the display is not operating properly.

To Avoid Personal Injury :
- Do not place the display on a sloping shelf unless properly secured.
- Use only a stand recommended by the manufacturer.
- Do not drop an object on or apply impact to the product. Do not throw any toys or objects on the product screen.
  It can cause injury to human, problem to product and damage the display.

To Prevent Fire or Hazards:
- Always turn the display OFF if you leave the room for more than a short period of time. Never leave the display ON when leaving the house.
- Keep children from dropping or pushing objects into the display's cabinet openings. Some internal parts carry hazardous voltages.
- Do not add accessories that have not been designed for this display.
- When the display is to be left unattended for an extended period of time, unplug it from the wall outlet.
- In the presence of thunder and lightning, never touch the power cord and signal cable because it can be very dangerous. It can cause electric shock.

On Installation

Do not allow anything to rest upon or roll over the power cord, and do not place the display where the power cord is subject to damage.

Do not use this display near water such as near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
Displays are provided with ventilation openings in the cabinet to allow the release of heat generated during operation. If these openings are blocked, built-up heat can cause failures which may result in a fire hazard. Therefore, NEVER:

- Block the bottom ventilation slots by placing the display on a bed, sofa, rug, etc.
- Place the display in a built-in enclosure unless proper ventilation is provided.
- Cover the openings with cloth or other material.
- Place the display near or over a radiator or heat source.

Do not rub or strike the Active Matrix LCD with anything hard as this may scratch, mar, or damage the Active Matrix LCD permanently.

Do not press the LCD screen with your finger for a long time as this may cause some afterimages.

Some dot defects may appear as Red, Green or Blue spots on the screen. However, this will have no impact or effect on the display performance.

If possible, use the recommended resolution to obtain the best image quality for your LCD display. If used under any mode except the recommended resolution, some scaled or processed images may appear on the screen. However, this is characteristic of the fixed-resolution LCD panel.

Leaving a fixed image on the screen for a long time may cause damage to the screen and cause image burn-in. Make sure to use a screen saver on the product. Burn-in and related problems are not covered by the warranty on this product.

Do not shock or scratch the front and sides of the screen with metallic objects. Otherwise, it may cause damage to the screen.

On Cleaning

- Unplug the display before cleaning the face of the display screen.
- Use a slightly damp (not wet) cloth. Do not use an aerosol directly on the display screen because over-spraying may cause electrical shock.

On Repacking

- Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it in its original material.

On Disposal

- The fluorescent lamp used in this product contains a small amount of mercury.
- Do not dispose of this product with general household waste.
- Disposal of this product must be carried out in accordance to the regulations of your local authority.

- **Before setting up the monitor, ensure that the power to the monitor, the computer system, and other attached devices is turned off.**

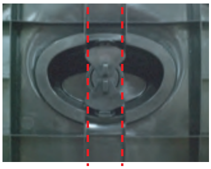
Connecting the stand

1. Place the monitor with its front facing downward on a soft cloth.

2. Assemble the Stand Base(Front, Rear) into the Stand Body in the correct direction.



3. Tie down the base lock to perpendicularity direction.



4. Once assembled take the monitor up carefully and face the front side.

Important
- This illustration depicts the general model of connection. Your monitor may differ from the items shown in the picture.
- Do not carry the product upside down holding only the stand base. The product may fall and get damaged or injure your foot.

Disassembling the stand

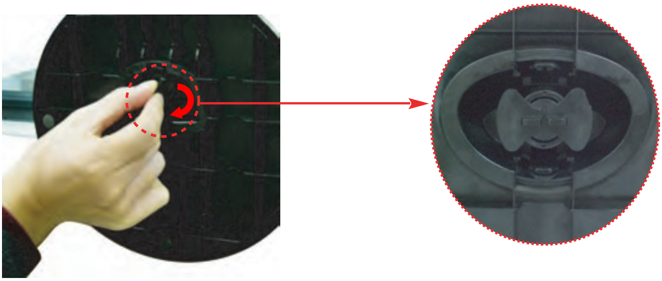
1. Put a cushion or soft cloth on a flat surface.



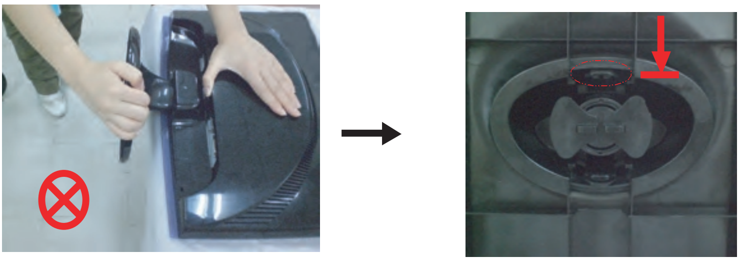
2. Place the monitor face down on the cushion or soft cloth.



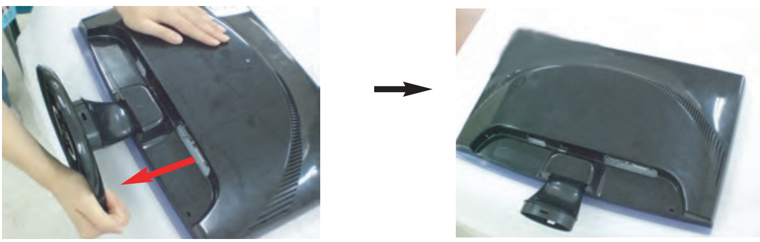
3. Change your lock on the product as it follows and turn it in the arrow direction.



If you can't release the stand base even the locking rib is at a release position, Please push the indicated rib down and retry it.



4. Pull out the stand to remove.

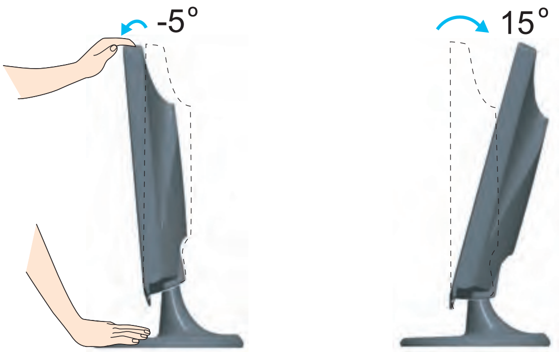


- **Before setting up the monitor, ensure that the power to the monitor, the computer system, and other attached devices is turned off.**

Positioning your display

1. Adjust the position of the panel in various ways for maximum comfort.

- **Tilt Range:** -5˚~15˚



Ergonomic

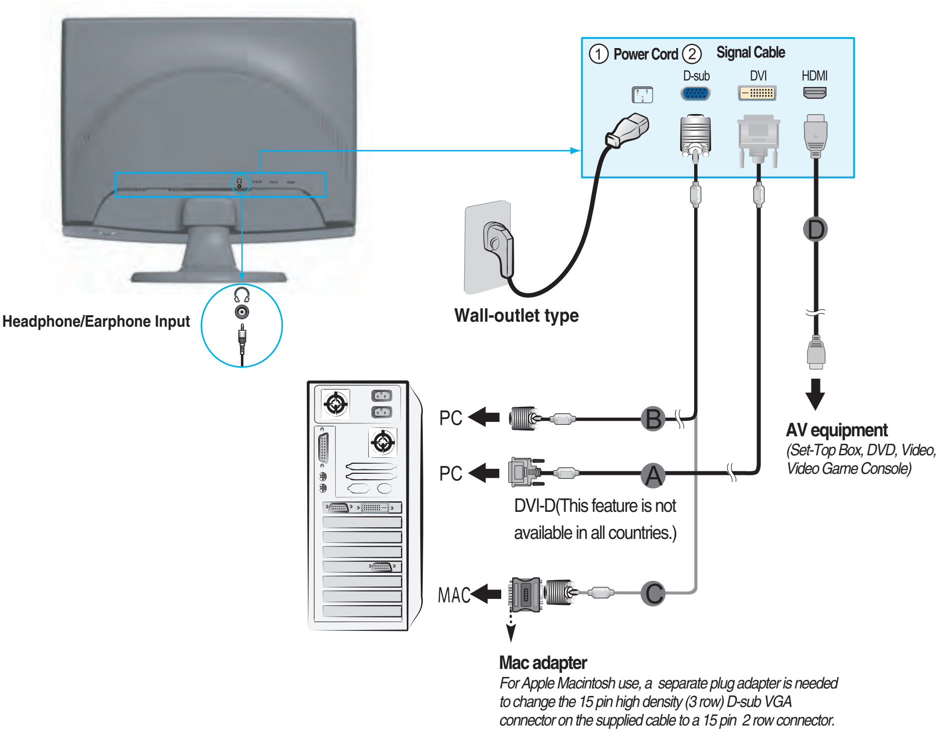
It is recommended that in order to maintain an ergonomic and comfortable viewing position, the forward tilt angle of the monitor should not exceed 5 degrees.

Using the Computer

1. Make sure to turn off the computer and product. Connect the cable as below sketch map form ① to ② .

- Ⓐ Connect DVI-D Cable
- Ⓑ Connect D-sub Cable (PC)
- Ⓒ Connect D-sub Cable (Mac)
- Ⓓ Connect HDMI Cable

NOTE
- This is a simplified representation of the rear view.
- This rear view represents a general model; your display may differ from the view as shown.
- User must use shielded signal interface cables (D-sub 15 pin cable, DVI cable) with ferrite cores to maintain standard compliance for the product.

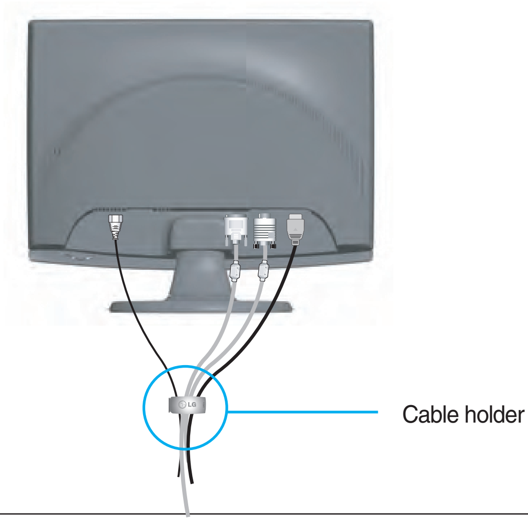


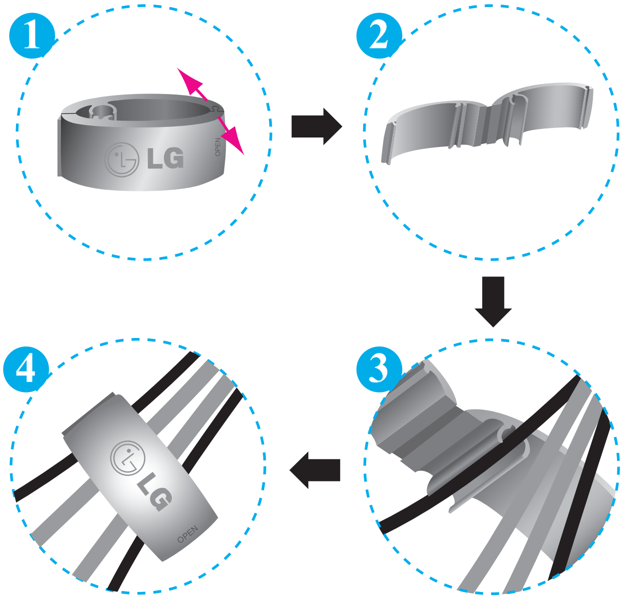
2. Touch the power button on the front of panel to turn the power on. When monitor power is turned on, the 'Self Image Setting Function' is executed automatically. (Only to the D-sub signal cable input)



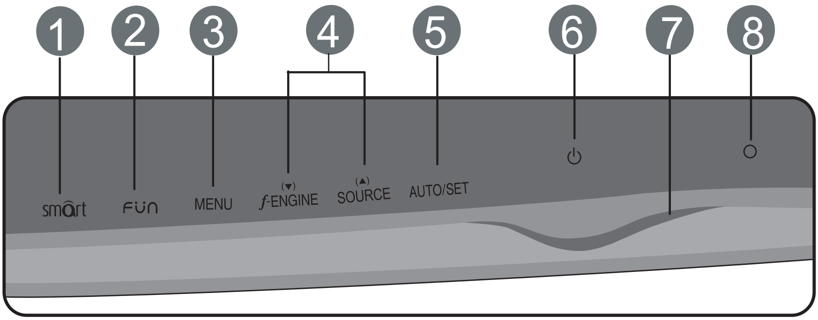
NOTE
'Self Image Setting Function'? This function provides the user with optimal display settings.When the user connects the monitor for the first time, this function automatically adjusts the display to optimal settings for individual input signals.
'AUTO/SET Function'? When you encounter problems such as blurry screen, blurred letters, screen flicker or tilted screen while using the device or after changing screen resolution, touch the AUTO/SET function button to improve resolution.

Using the cable holder (This feature is not available in all models.)

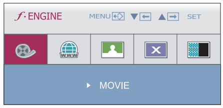




Front Panel Controls



Control	Function
1 smart Button	Use this button to enter **CINEMA MODE**,**AUTO BRIGHT**,**TIME CONTROL**,**LIVE SENSOR**,**SMART** items,for more information,refer to page A16.
2 FUN Button	DSUB and DVI input,use this button to enter **EZ ZOOMING**,**4:3 IN WIDE**,**PHOTO EFFECT** items. HDMI input,use this button to enter **4:3 IN WIDE**, **PHOTO EFFECT**,**VOLUME** items. For more information,refer to page A17 -A18 .
3 MENU Button	Use this button to enter or exit from the On Screen Display.
 	**OSD LOCKED/UNLOCKED** This function allows you to lock the current control settings, so that these settings are not inadvertently changed. To lock the OSD settings, press and hold the **MENU button** for several seconds. The message "**OSD LOCKED**" appears. You can unlock the OSD settings at any time by pushing the **MENU button** for several seconds. The message "**OSD UNLOCKED**" appears.

	Control	Function
④	▼ ▲ **Buttons**	Use these buttons to select or adjust functions in the On Screen Display.
	▼ **Button** (*f*·ENGINE)	For more information, refer to page A19 -A20. 
	▲ **Button** **(SOURCE)**	Use this button to make either D-Sub,DVI or HDMI connector active. This feature is used when two computers are connected to the display. The default setting is D-Sub.
⑤	**AUTO/SET Button**	Use this button to select an icon in the On Screen Display.
		**AUTO IMAGE ADJUSTMENT** When adjusting your display settings, always press the **AUTO/SET** button prior to entering the On Screen Display(OSD). This will automatically adjust your display image to the ideal settings for the current screen resolution size (display mode). The best display mode is: W2253V : 1920 x 1080 W2353V : 1920 x 1080
⑥	**Power Button**	Use this button to turn the display on or off.
⑦	**Power Indicator**	This Indicator lights up as red when the display is operating normally(On Mode). If the display is in Sleep Mode (Energy Saving), this indicator color changes to flicker.
⑧	**Light Sensor**	This is lens for light sensor sletect outside luminance, when setting AUTO BRIGHT ON.

Screen Adjustment

Making adjustments to the image size, position and operating parameters of the display is quick and easy with the On Screen Display Control system.
A short example is given below to familiarize you with the use of the controls.
The following section is an outline of the available adjustments and selections you can make using the OSD.

NOTE
- Allow the display to stabilize for at least 30 minutes before making image adjustments.

To make adjustments in the On Screen Display, follow these steps:

MENU → ▼ ▲ → AUTO/SET → ▼ ▲ → MENU

1. Press the **MENU Button**, then the main menu of the OSD appears.
2. To access a control, use the ▲ **or** ▼ **Buttons**. When the icon you want becomes highlighted, press the **AUTO/SET Button**.
3. Use the ▲ **/** ▼ **Buttons** to adjust the image to the desired level. Use the **AUTO/SET Button** to select other sub-menu items.
4. Push the **MENU Button** once to return to the main menu to select another function. Push the **MENU Button** twice to exit from the OSD.

The following table indicates all the On Screen Display control, adjustment, and setting menus.

Main menu	Sub-menu		A	D	H	Reference
CINEMA MODE			●	●		To focus on the moving picture selected.
AUTO BRIGHT			●	●	●	To control screen brightness automatically.
TIME CONTROL			●	●	●	To mind user using time.
LIVE SENSOR			●	●	●	To control touch key distance.
SMART			●	●	●	To control smart key menu.
EZ ZOOMING			●	●		To adjust the resolution
4:3 IN WIDE			●	●	●	To adjust the image size
PHOTO EFFECT	NORMAL		●	●		To adjust screen color mode
	GAUSSIAN BLUR		●	●		
	SEPIA		●	●		
	MONOCHROME		●	●		
VOLUME					●	To adjust the volume
PICTURE	BRIGHTNESS		●	●	●	To adjust the brightness, contrast and gamma of the screen
	CONTRAST		●	●	●	
	GAMMA		●	●	●	
	**BLACK LEVEL				●	To set offset level
COLOR	PRESET	sRGB	●	●	●	To costomize the color of the screen
		6500K	●	●	●	
		9300K	●	●	●	
	RED		●	●	●	
	GREEN		●	●	●	
	BLUE		●	●	●	
TRACKING	HORIZONTAL		●			To adjust the position of the screen
	VERTICAL		●			
	CLOCK		●			To improve the clarity and stability of the screen
	PHASE		●			
	SHARPNESS		●	●	●	
SETUP	LANGUAGE		●	●	●	To costomize the screen status for a user's operating environment
	OSD POSITION	HORIZONTAL	●	●	●	
		VERTICAL	●	●	●	
	*WHITE BALANCE		●			
	**OVERSCAN				●	
	RTC		●	●	●	
	POWER INDICATOR		●	●	●	
	FACTORY RESET		●	●	●	
FLATRON F-ENGINE	MOVIE		●			To select or customize desired image settings
	*INTERNET		●	●		
	**GAME				●	
	USER		●	●	●	
	*NORMAL		●	●		
	**STANDARD				●	
	*DEMO		●	●		
	**SPORTS				●	

● : Adjustable
* : only for DSUB/DVI Input
** : only for HDMI Input

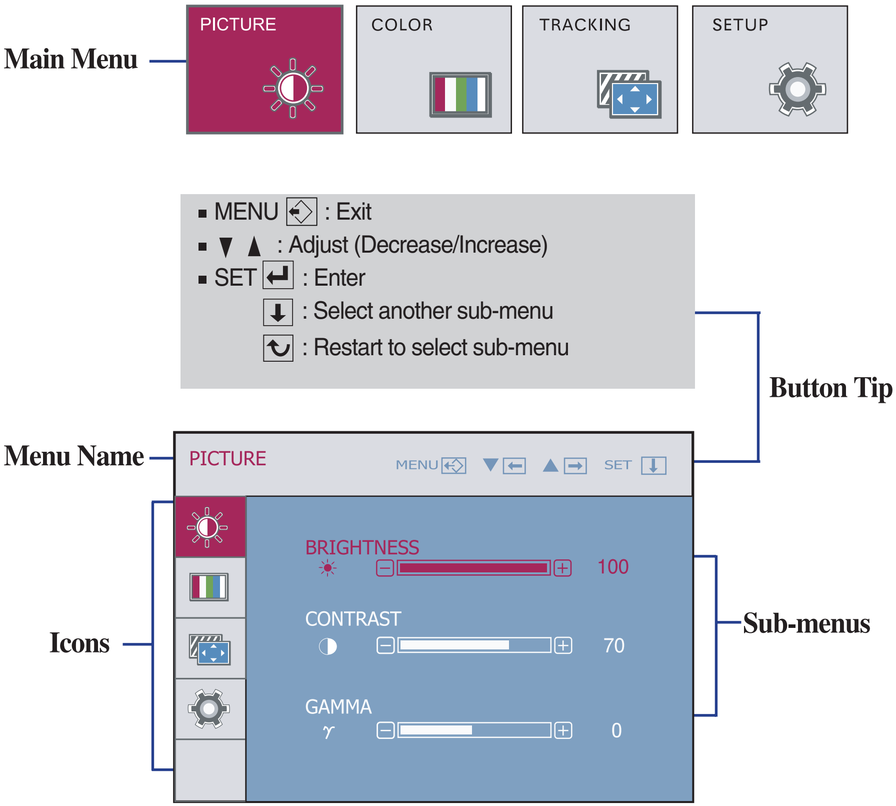
A : DSUB Input
D : DVI Input
H : HDMI Input

NOTE

- The order of icons may differ depending on the model (A11~A20).

You were introduced to the procedure of selecting and adjusting an item using the OSD system. Listed below are the icons, icon names, and icon descriptions of the all items shown on the Menu.

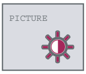
Press the MENU Button, then the main menu of the OSD appears.



NOTE

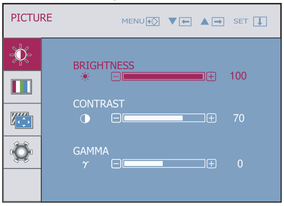
- OSD (On Screen Display) menu languages on the monitor may differ from the manual.

Main menu	Sub menu	Description

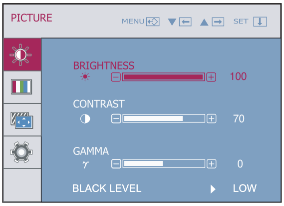


PICTURE

DSUB/DVI input



HDMI input



BRIGHTNESS To adjust the brightness of the screen.

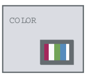
CONTRAST To adjust the contrast of the screen.

GAMMA Set your own gamma value. : -50/0/50 On the monitor, high gamma values display whitish images and low gamma values display high contrast images.

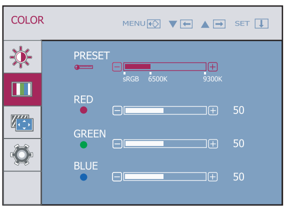
BLACK LEVEL You can set the offset level. If you select 'HIGH', the screen will be bright and if you select 'LOW', the screen will be dark. (only for HDMI input)

* **Offset?** As the criteria for video signal, it is the darkest screen the monitor can show.

- **MENU** : Exit
- ▼ : Decrease
- ▲ : Increase
- **SET** : Select another sub-menu



COLOR



PRESET
- sRGB: Set the screen color to fit the SRGB standard color specification.
- 6500K: Slightly reddish white.
- 9300K: Slightly bluish white.

RED Set your own red color levels.

GREEN Set your own green color levels.

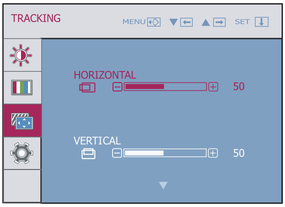
BLUE Set your own blue color levels.

- **MENU** : Exit
- ▼ : Decrease
- ▲ : Increase
- **SET** : Select another sub-menu

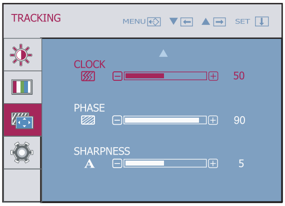
Main menu	Sub menu	Description



TRACKING



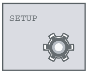
HORIZONTAL	To move image left and right.
VERTICAL	To move image up and down.



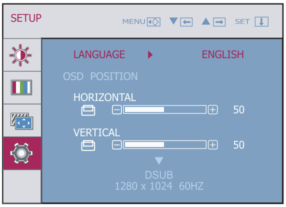
CLOCK	To minimize any vertical bars or stripes visible on the screen background. The horizontal screen size will also change.
PHASE	To adjust the focus of the display. This item allows you to remove any horizontal noise and clear or sharpen the image of characters.
SHARPNESS	To adjust the clearness of the screen.

- **MENU** : Exit
- ▼ : Decrease
- ▲ : Increase
- **SET** : Select another sub-menu

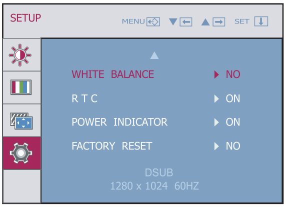
Main menu	Sub menu	Description



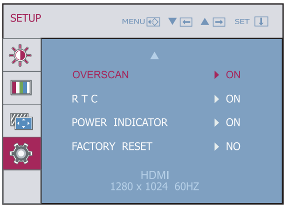
SETUP



DSUB/DVI input



HDMI input



- **MENU** : Exit
- ▼ : Adjust
- ▲ : Adjust
- **SET** : Select another sub-menu

LANGUAGE To choose the language in which the control names are displayed.

OSD POSITION To adjust position of the OSD window on the screen.

WHITE BALANCE If the output of the video card is different the required specifications, the color level may deteriorate due to video signal distortion. Using this function, the signal level is adjusted to fit into the standard output level of the video card in order to provide the optimal image. Activate this function when white and black colors are present in the screen. (only for DSUB input)

OVERSCAN To select the range of output image for DTV timing in HDMI input. (only for HDMI input) Recommend **overscan** function to turn on when connect **AV** equipment.

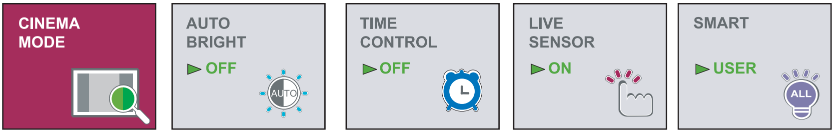
RTC If you set **ON**, you enable the Response Time Control function. If you set **OFF**, you disable the Response Time Control function.

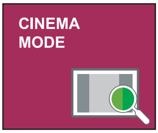
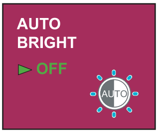
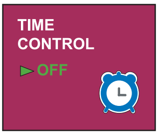
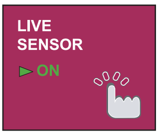
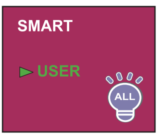
POWER INDICATOR Use this function to set the power indicator on the front side of the monitor to **ON** or **OFF**. If you set **OFF**, it will go off. If you set **ON** at any time, the power indicator will automatically be turned on.

FACTORY RESET Restore all factory default settings except **"LANGUAGE."** Press the ▲,▼ buttons to reset immediately.

If this does not improve the screen image, restore the factory default settings.
If necessary, perform the white balance function again. This function will be enabled only when the input signal is an analog signal.

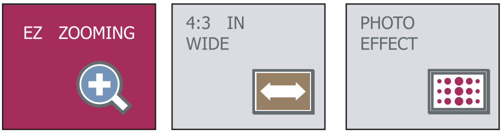
The OSD screen will appear when you touch the smart button on the right bottom of the monitor.



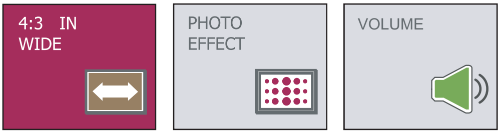
Main menu	Sub menu	Description
	**CINEMA MODE**	It focuses better on the moving picture in selected area. *This function is operated only if the fortemanager is installed to pc. *Only for DSUB and DVI input.
	**AUTO BRIGHT**	If select on,it automatically controls the brightness of display to best suit the surrounding working environment,providing the optimal viewing condition and maximized user convenience. If select off,auto brightness is off.
	**TIME CONTROL**	Remind user using time by showing alarm OSD and flickering power LED. Selection:OFF/1HOUR/2HOUR
	**LIVE SENSOR**	This function turns on the button LED for pushing comfortable.When detect the presence of users hand before touch it.
	**SMART**	To adjust AUTO BRIGHT,TIME CONTROL, LIVE SENSOR. If select ON it turns on AUTO BRIGHT,LIVE SENSOR and makes time CONTROL to 1HOUR. If select off,it turns off those. If set AUTO BRIGHT,TIME CONTROL,LIVE SENSER directly,this setting is changed to USER automatically.

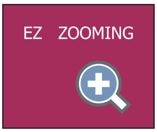
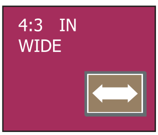
The OSD screen will appear when you touch the FUN button on the left bottom of the monitor.

DSUB/DVI input



HDMI input



Main menu	Sub menu	Description
	**EZ ZOOMING**	EZ Zoom lowers the display's resolution in single-step increments. Depressing the button once lowers the resolution by one step; while a second button-press returns the resolution to the original display settings. *This function is operated only if the forteManager is installed to PC. *ForteManager is not supported in HDMI input.
	**4:3 IN WIDE**	To select the image size of the screen.  • **WIDE** : Switch to full screen mode according to input image signal. • **4 : 3** : Change the image signal ratio into 4:3.

Main menu	Sub menu	Description

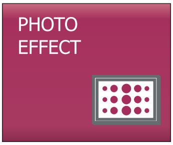
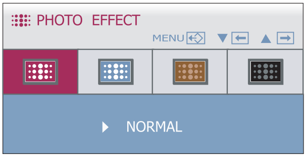


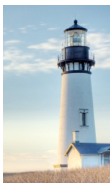
PHOTO EFFECT

To select the color of the screen.



- **NORMAL :**
  The PhotoEffect function is disabled.
- **GAUSSIAN BLUR :**
  This option is to add the effect to the screen that the dark and sharp image becomes brighter and more blurred.
- **SEPIA :**
  This option changes the screen to be Sepia tone. The Sepia tone is brown color tone.
- **MONOCHROME :**
  This option changed the screen to be Gray tone. The screen image is displayed with just white, black, gray colors.

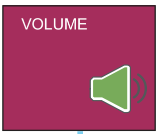

NORMAL


GAUSSIAN BLUR


SEPIA

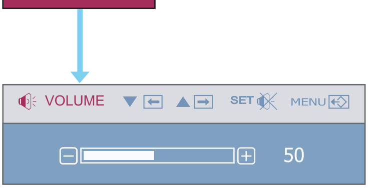

MONOCHROME

*Photo Effect feature may not work in HDMI Input.
(Photo effect operate at DSUB format)



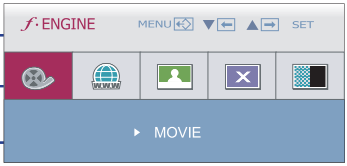
VOLUME

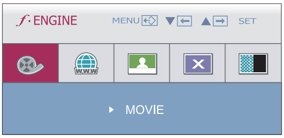
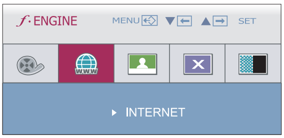
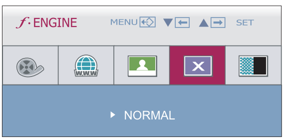
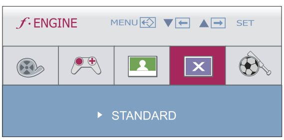
To adjust the volume of headphone/Earphone.
(Only for HDMI input)



- The OSD screen will appear when you touch the f·ENGINE button on the left bottom of the monitor.

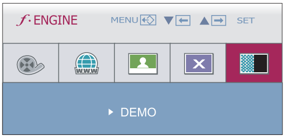
Menu Name
Icons
Sub-menu Name



Main menu	Sub menu	Description
	**MOVIE**	Select this when you are watching a video or movie.
DSUB/DVI input 	**INTERNET**	Select this when you are working on the document (Word etc.)
HDMI input 	**GAME**	Select this when you are playing a game.
DSUB/DVI input 	**NORMAL**	Select this when you want to use the product in the most general using environment. * Normal mode is when f-ENGINE is turned off.
HDMI input 	**STANDARD**	Select this when you want to use the original standard video. * In the General (Standard) mode, the f·ENGINE is turned off.

Main menu	Sub menu	Description

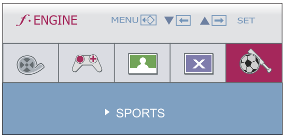
DSUB/DVI input



DEMO

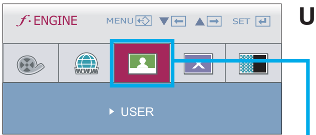
This is used for advertising in the store. The screen will be divided to show the standard mode on the left and video mode on the right so that the consumers can check the difference after applying the video mode.

HDMI input



SPORTS

Select this when you watching general sports.

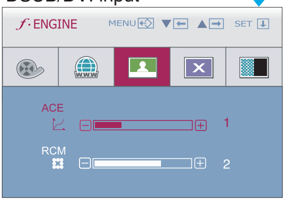


USER

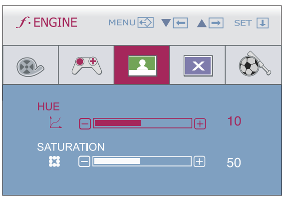
You can manually adjust **ACE** or **RCM** (only for DSUB/DVI input), **HUE** or **SATURATION** (only for HDMI input).
You can save or restore the adjusted value even when using a different environment.

To adjust the USER sub-menu function,press the AUTO/SET Button.

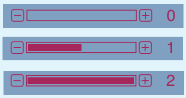
DSUB/DVI input



HDMI input

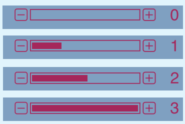


··· **ACE**(Adaptive Clarity Enhancer) : Selects the clarity mode.



- 0 Not applied
- 1 Weak clarity and luminosity contrast.
- 2 Strong clarity and luminosity contrast.

···**RCM**(Real Color Management) : Selects the color mode.



- 0 Not applied
- 1 Green enhance
- 2 Flesh tone
- 3 Color Enhance

... **HUE** : Adjust the screen hue.
... **SATURATION** : Adjust the screen saturation.

- **MENU** : Exit
- ▼ : Decrease
- ▲ : Increase
- **AUTO/SET** : Select another sub-menu

Check the following before calling for service.

No image appears

● **Is the power cord of the display connected?**	• Check and see if the power cord is connected properly to the power outlet.
● **Is the power indicator light on?**	• Press the Power button.
● **Is the power indicator flickering?**	• If the display is in power saving mode, try moving the mouse or pressing any key on the keyboard to bring up the screen. • Try to turn on the PC.
● **Do you see an "OUT OF RANGE" message on the screen?**	• This message appears when the signal from the PC (video card) is out of horizontal or vertical frequency range of the display. See the 'Specifications' section of this manual and configure your display again.
● **Do you see a "CHECK SIGNAL CABLE" message on the screen?**	• This message appears when the signal cable between your PC and your display is not connected. Check the signal cable and try again.

Do you see a "OSD LOCKED" message on the screen?

● **Do you see “OSD LOCKED” when you push MENU button?**	• You can secure the current control settings, so that they cannot be inadvertently changed. You can unlock the OSD controls at any time by pushing the **MENU** button for several seconds: the message **“OSD UNLOCKED”** will appear.

Display image is incorrect	
Display Position is incorrect.	• Press the **AUTO/SET** button to automatically adjust your display image to the ideal setting. If the results are unsatisfactory, adjust the image position using the **H position and V position** icon in the on screen display.
On the screen background, vertical bars or stripes are visible.	• Press the **AUTO/SET** button to automatically adjust your display image to the ideal setting. If the results are unsatisfactory, decrease the vertical bars or stripes using the **CLOCK** icon in the on screen display.
Any horizontal noise appearing in any image or characters are not clearly portrayed.	• Press the **AUTO/SET** button to automatically adjust your display image to the ideal setting. If the results are unsatisfactory, decrease the horizontal bars using the **PHASE** icon in the on screen display. • Check **Control Panel --> Display --> Settings** and adjust the display to the recommended resolution or adjust the display image to the ideal setting. Set the color setting higher than 24 bits (true color).

Important

- Check **Control Panel --> Display --> Settings** and see if the frequency or the resolution were changed. If yes, readjust the video card to the recommend resolution.
- If the recommended resolution (optimal resolution) is not selected, letters may be blurred and the screen may be dimmed, truncated or biased. Make sure to select the recommend resolution.
- The setting method can differ by computer and O/S (Operation System), and resolution mentioned above may not be supported by the video card performance. In this case, please ask to the computer or the video card manufacturer.

Display image is incorrect

The screen color is mono or abnormal.	• Check if the signal cable is properly connected and use a screwdriver to fasten if necessary. • Make sure the video card is properly inserted in the slot. • Set the color setting higher than 24 bits (true color) at **Control Panel - Settings**.
The screen blinks.	• Check if the screen is set to interlace mode and if yes, change it to the recommend resolution.

Have you installed the display driver?

Have you installed the display driver?	• Be sure to install the display driver from the display driver CD (or diskette) that comes with your display. Or, you can also download the driver from our web site: http://www.lge.com.
Do you see an "Unrecognized monitor, Plug&Play (VESA DDC) monitor found" message?	• Make sure to check if the video card supports Plug&Play function.

Display	21.5 inches (54.6 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 54.6 cm 0.248*0.248 mm pixel pitch		
Sync Input	Horizontal Freq. Vertical Freq.	30 - 83 kHz (Automatic) Analog,Digital : 56 - 75 Hz (Automatic) HDMI : 56 - 61 Hz (Automatic)	
	Input Form	Separate TTL, Positive/Negative SOG (Sync On Green) Digital (HDCP)	
Video Input	Signal Input	15 pin D-Sub Connector DVI - D connector (Digital) 19 pin HDMI Connector	
	Input Form	Analog (0.7 Vp-p/ 75 ohm), Digital, HDMI	
Resolution	Max	Analog : VESA 1920 x 1080 @60 Hz Digital : VESA 1920 x 1080 @60 Hz	
	Recommend	VESA 1920 x 1080 @60 Hz	
Plug&Play	DDC 2B (Digital,HDMI), DDC 2AB (Analog)		
Power Consumption	On Mode Sleep Mode Off Mode	: 40 W(Typ.) ≤ 1 W ≤ 1 W	
Dimensions &Weight		With Stand	Without Stand
	Width Height Depth	52.25 cm / 20.57 inches 39.63 cm / 15.60 inches 19.80 cm / 7.79 inches	52.25 cm / 20.57 inches 33.66 cm / 13.25 inches 6.05 cm / 2.38 inches
	Net	4.0 kg (8.82 lbs)	
Tilt Range	Tilt	-5˚~15˚	
Power Input	AC 100-240V~ 50/60Hz 1.0A		
Environmental Conditions	Operating Conditions Temperature Humidity	 10˚C to 35 ˚C 10 % to 80 % non-Condensing	
	Storage Conditions Temperature Humidity	 -20˚C to 60 ˚C 5 % to 90 % non-Condensing	
Stand Base	Attached( ), Detached (O)		
Power cord	Wall-outlet type		

NOTE

- Information in this document is subject to change without notice.

Display	23.0 inches (58.4 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 58.4 cm 0.266*0.266 mm pixel pitch	
Sync Input	Horizontal Freq. Vertical Freq.	30 - 83 kHz (Automatic) Analog,Digital : 56 - 75 Hz (Automatic) HDMI : 56 - 61 Hz (Automatic)
	Input Form	Separate TTL, Positive/Negative SOG (Sync On Green) Digital (HDCP)
Video Input	Signal Input	15 pin D-Sub Connector DVI - D connector (Digital) 19 pin HDMI Connector
	Input Form	Analog (0.7 Vp-p/ 75 ohm), Digital, HDMI
Resolution	Max	Analog : VESA 1920 x 1080 @60 Hz Digital : VESA 1920 x 1080 @60 Hz
	Recommend	VESA 1920 x 1080 @60 Hz
Plug&Play	DDC 2B (Digital,HDMI), DDC 2AB (Analog)	
Power Consumption	On Mode Sleep Mode Off Mode	: 42 W(Typ.) ≤ 1 W ≤ 1 W

Dimensions &Weight		With Stand	Without Stand
	Width	55.85 cm / 21.98 inches	55.85 cm / 21.98 inches
	Height	41.75 cm / 16.43 inches	36.30 cm / 14.29 inches
	Depth	19.80 cm / 7.79 inches	7.53 cm / 2.96 inches
	Net	4.5 kg (9.92 lbs)	

Tilt Range	Tilt	-5˚~15˚
Power Input	AC 100-240V~ 50/60Hz 1.0A	
Environmental Conditions	Operating Conditions Temperature Humidity	 10˚C to 35 ˚C 10 % to 80 % non-Condensing
	Storage Conditions Temperature Humidity	 -20˚C to 60 ˚C 5 % to 90 % non-Condensing
Stand Base	Attached( ), Detached (O)	
Power cord	Wall-outlet type	

NOTE
- Information in this document is subject to change without notice.

Preset Modes (Resolution)

DSUB/DVI Timing

	Display Modes (Resolution)	Horizontal Freq. (kHz)	Vertical Freq. (Hz)
1	720 x 400	31.468	70
2	640 x 480	31.469	60
3	640 x 480	37.500	75
4	800 x 600	37.879	60
5	800 x 600	46.875	75
6	1024 x 768	48.363	60
7	1024 x 768	60.123	75
8	1152 x 864	67.500	75
9	1280 x 1024	63.981	60
10	1280 x 1024	79.976	75
11	1680 x 1050	65.290	60
*12	1920 x 1080	67.500	60

* Recommend Mode

HDMI Timing

	Display Modes (Resolution)	Horizontal Freq. (kHz)	Vertical Freq. (Hz)
1	480P	31.50	60
2	576P	31.25	50
3	720P	37.50	50
4	720P	45.00	60
5	1080i	28.12	50
6	1080i	33.75	60
7	1080P	56.25	50
8	1080P	67.50	60

Indicator

MODE	LED Color
On Mode	Red
Sleep Mode	Flicker
Off Mode	Off

Digitally yours

LG